

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/19037

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C12N15/11 C07K14/525 A61K38/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	WO 98 27114 A (SCHERING CORP) 25 June 1998 see the whole document ---	1-13,15, 17, 20-32,34
X,P	WO 98 18921 A (HUMAN GENOME SCIENCES INC) 7 May 1998 see the whole document ---	1-17, 20-32,34
E	EP 0 869 180 A (SMITHKLINE BEECHAM CORP) 7 October 1998 see the whole document ---	1-16, 18-32,34
A	WO 96 40774 A (BIOGEN INC) 19 December 1996 ---	1-34
A	WO 94 18325 A (INNOGENETICS NV) 18 August 1994 -----	1-34



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

1 April 1999

Date of mailing of the international search report

13/04/1999

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Panzica, G

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 98/19037

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9827114 A	25-06-1998	AU 5705898 A	15-07-1998
WO 9818921 A	07-05-1998	AU 7674596 A	22-05-1998
EP 0869180 A	07-10-1998	CA 2232743 A	02-10-1998
		JP 10323194 A	08-12-1998
WO 9640774 A	19-12-1996	AU 6166396 A	30-12-1996
WO 9418325 A	18-08-1994	AU 6001094 A	29-08-1994
		CA 2155103 A	18-08-1994
		EP 0682705 A	22-11-1995